

the INTELSAT Global Communications Satellite System, Declaratory Ruling, RM No. 4845, FCC 86-214 (released May 19, 1986).

7. A new Section 25.137 is added to read as follows:

§ 25.137 Application requirements for earth stations operating with non-U.S. licensed space stations

(a) Earth station applicants or entities filing a "letter of intent" requesting authority to operate with a non-U.S. licensed space station to serve the United States must attach an exhibit with their FCC Form 312 application with information demonstrating that U.S.-licensed satellite systems have effective competitive opportunities to provide analogous services in (1) the country in which the non-U.S. licensed space station is licensed; and (2) all countries in which communications with the U.S. earth station will originate or terminate. The applicant bears the burden of showing that there are no *de jure* or legal constraints that limit or prevent access of the U.S. satellite system in the relevant foreign markets. The exhibit required by this paragraph must also include a statement of why grant of the application is in the public interest. This paragraph shall not apply with respect to requests for authority to operate using a non-U.S. licensed satellite that is licensed by or seeking a license from a country that is a member of the World Trade Organization for services covered under the World Trade Organization Basic Telecommunications Agreement.

(b) Earth station applicants, or entities filing a "letter of intent," requesting authority to operate with a non-U.S. licensed space station must attach to their FCC Form 312 an exhibit providing legal, financial, and technical information for the non-U.S. licensed space station in accordance with Part 25 and Part 100 of this Chapter. If the non-U.S. licensed space station is in orbit and operating, the applicant need not include the financial information specified in §§ 25.114(c)(17) and (c)(18) of this part. If the international coordination process for the non-U.S. licensed space station has been completed, the applicant need not include the technical information specified in §§ 25.114(c)(5-11) and (c)(14) of this part, unless the technical characteristics differ from the characteristics established in that process.

(c) A non-U.S. licensed satellite system seeking to serve the United States can be considered contemporaneously with other U.S. satellite systems if it is (i) in orbit and operating; (ii) has a license from another administration; or (iii) has been submitted for coordination to the International Telecommunication Union.

## APPENDIX D

**FINAL REGULATORY FLEXIBILITY ANALYSIS-AMENDMENT OF THE  
COMMISSION'S REGULATORY POLICIES TO ALLOW NON-U.S. LICENSED  
SPACE STATIONS TO PROVIDE DOMESTIC AND INTERNATIONAL SATELLITE  
SERVICES IN THE UNITED STATES (International Satellite Services Order)**

1. As required by Section 603 of the Regulatory Flexibility Act, 5 U.S.C. § 603 (RFA), the Federal Communications Commission ("Commission") prepared an Initial Regulatory Flexibility Analysis (IRFA) in the *Notice of Proposed Rulemaking (Notice)* in IB Docket No. 96-111.<sup>1</sup> After the conclusion of the World Trade Organization (WTO) Agreement on Basic Telecommunications Services (WTO Basic Telecom Agreement), the Commission released the *Further Notice of Proposed Rule Making (Further Notice)* requesting comment on the proposals in the *Further Notice*, including the IRFA.<sup>2</sup> The Commission's Final Regulatory Flexibility Analysis (FRFA) in this *Report and Order* conforms to the RFA, as amended by the Contract with America Advancement Act of 1996 (CWAAA), Pub. L. No. 104-121, 110 Stat. 847 (1996).<sup>3</sup>

**I. Need for, and Objectives of, the International Satellite Services Report and Order:**

2. In this *Report and Order*, the Commission promulgates rules for non-U.S. licensed satellites to provide satellite services in the United States. This action will advance the growth of global satellite services and create greater competition in the U.S. satellite market. Enhanced competition in the U.S. market will benefit U.S. consumers, including small businesses, by increasing the availability of various satellite services, providing more alternatives in the selection of communications services, reducing prices, and facilitating technological innovation. The Commission adopts these rules in part to reflect the liberalized market environment that will result from the WTO Basic Telecom Agreement. Specifically, the Commission adopts an open entry standard for applicants seeking to access satellite systems from WTO Members providing satellite services covered by the U.S. Schedule of Commitments under the WTO Basic Telecom Agreement (Fixed Satellite Services and Mobile

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<sup>1</sup> *In the Matter of Amendment of the Commission's Regulatory Policies to Allow Non-U.S. licensed Space Stations to Provide Domestic and International Satellite Service in the United States*, Notice of Proposed Rulemaking, 11 FCC Rcd 18178 (1996) (*Notice*).

<sup>2</sup> *In the Matter of Amendment of the Commission's Regulatory Policies to Allow Non-U.S. licensed Space Stations to Provide Domestic and International Satellite Service in the United States*, Further Notice of Proposed Rulemaking, FCC 97-252 (released July 18, 1997) (*Further Notice*).

<sup>3</sup> See 5 U.S.C. § 603. The RFA, see 5 U.S.C. § 601 *et. seq.*, has been amended by the Contract with America Advancement Act (CWAAA) of 1996, Pub. L. No. 104-121, 110 Stat. 847 (1996). Title II of the CWAAA is the Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA)

Satellite Services(MSS)).<sup>4</sup> The Commission presumes that entry will be competitive in these cases. The Commission reserves the right, however, to attach conditions to a grant of authority or, in exceptional circumstances, where conditions may not adequately constrain the potential for anticompetitive harm in the U.S. market, to deny an application. In deciding whether to grant non-WTO country satellites access to the U.S. market or whether to allow any non-U.S. satellite to provide non-covered services in the United States, the Commission adopts the "ECO-Sat test." This test requires that U.S. satellite operators have "effective competitive opportunities" in the foreign market before allowing a satellite licensed by that country access into the United States.

## **II. Summary of Significant Issues Raised by Public Comments in Response to the IRFA:**

3. No comments were filed in direct response to the questions posed in the IRFA in either the *Notice* or the *Further Notice*. In reply comments to the *Notice*, however, NATSAT argues that the Commission should not apply the ECO-Sat test to applications filed on or before July 15, 1996 by "designated entities" to resell MSS service in the United States.<sup>5</sup> It claims that such an exemption would be consistent with the directive Section 309(j) to ensure that small businesses and minority entrepreneurs have the chance to participate in the provision of spectrum-based services. In the *Report and Order*, the Commission does not adopt an ECO-Sat test with respect to WTO-Member satellites providing WTO-covered services. Thus, small entities may access a large percentage of non-U.S. satellites without conducting an ECO-Sat analysis. Moreover, an ECO-Sat analysis is a minimal burden when compared to the possibility that unrestricted entry by foreign-licensed satellite systems would distort competition in the United States market.

## **III. Description and Estimate of the Number of Small Entities Subject to the Rules:**

4. The Commission has not developed its own definition of "small entity" for purposes of licensing satellite-delivered services. Accordingly, we rely on the definition of "small entity" provided under the Small Business Administration (SBA) rules applicable to Communications Services, Not Elsewhere Classified.<sup>6</sup> A "small entity" under these SBA rules is defined as an entity with \$11.0 million or less in annual receipts.

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<sup>4</sup> Non-covered services are those not contained in the U.S. Schedule of Commitments in the WTO Basic Telecom Agreement -- Direct to Home (DTH), Direct Broadcast Service (DBS) or Digital Audio Service (DARS).

<sup>5</sup> NATSAT NPRM Reply Comments at 11-15 citing 47 U.S.C. § 309(j).

<sup>6</sup> 1987 Standard Industrial Classification Manual; 13 C.F.R. Part 121.

#### **IV. Summary of Projected Reporting, Record Keeping and Other Compliance Requirements:**

5. This *Report and Order* requires foreign-licensed systems serving the United States to comply with the same public interest standards that the Commission applies to U.S. satellites. First, foreign-licensed satellite systems must comply with the same technical requirements as a U.S.-licensed satellite system. Without examining its technical compatibility with U.S.-licensed satellites, a foreign-licensed satellite system may cause unacceptable interference with U.S. systems and possible service disruptions to customers.<sup>7</sup> Second, the Commission requires foreign-satellite system applicants to comply with our financial rules, established under Section 308(b) of the Communications Act.<sup>8</sup> Reserving orbit locations or spectrum for future satellites without examining whether the operator is financially qualified to build a system, which often costs hundreds of millions of dollars, could block entry by other U.S. or foreign companies that have the financial capability to proceed, ultimately delaying service to the public. Third, foreign-licensed satellite systems must comply with the Commission's legal qualifications consistent with Sections 308 and 309 of the Communications Act.<sup>9</sup> The purpose of requiring compliance with legal requirements is to ensure that entities providing satellite services in the United States will abide by Commission rules. For example, certain information may provide relevant indicia of compliance. Violations of law by an applicant, particularly those relating to credibility, may be evidence that it will not comply with Commission rules. Thus, it is vital that the Commission obtain assurance that an applicant will follow the rules that the Commission has established over the years to maximize the development of efficient, compatible, and innovative satellite systems.

#### **V. Significant Alternatives and Steps Taken By Agency to Minimize Significant Economic Impact on a Substantial Number of Small Entities Consistent with Stated Objectives:**

6. The Commission will apply the same rules to foreign-licensed systems as have been applied to U.S. licensed systems. This approach will not impose any additional burdens on foreign-licensed satellite systems, small or large. Earth station operators seeking to access a non-U.S. satellite will be required to provide the same information regarding the satellite that U.S. satellite applicants must provide. This information is needed to ensure that transmissions from the space station into the U.S. do not cause technical interference into existing U.S. operations and that other Commission public interest objectives are met. The Commission expects, however, that the satellite information will be provided by the satellite operator to the earth station applicant because of their mutual business objectives. Thus, there

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<sup>7</sup> *Report and Order* at Section III.B.3.b.

<sup>8</sup> *Id.*

<sup>9</sup> *Id.*

will be no economic impact on small businesses because there are no additional burdens being imposed. Certain information will not be required. First, where the international technical coordination process has been completed between the United States and the foreign satellite, additional technical information about that foreign satellite is not necessary. This is because the United States and the relevant foreign administration exchange extensive technical data about their respective systems during the course of the bilateral negotiations that lead up to a coordination agreement. This technical information is sufficient for us to determine whether the foreign satellite complies with Commission technical rules. The Commission finds that this new framework will benefit small businesses because earth station entities will have greater choice of space stations to access and opportunity to benefit from the other advantages of a more competitive market, such as reduced prices. In addition, small, local programmers will have access to a more competitive selection of satellite service providers. In this regard, our measures will advance the small business goals of Section 257 of the 1996 Act.

7. Report to Congress: The Commission will send a copy of the *Report and Order* including this FRFA, in a report to be sent to Congress pursuant to the Small Business Regulatory Enforcement Fairness Act of 1996, *see* 5 U.S.C. § 801(a)(1)(A). A summary of the *Report and Order* and this FRFA will also be published in the Federal Register, *see* 5 U.S.C. § 604(b), and will be sent to the Chief Counsel for Advocacy of the Small Business Administration.

**APPENDIX E**

**FCC FORM 312**

**INSTRUCTIONS FOR COMPLETION OF FCC FORM 312  
APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS**

Information and Instructions

**Purpose of Form**

FCC Form 312 is used to apply for all authorizations relating to satellite earth and space station facilities, and to notify the Commission of changes to these facilities in cases where prior Commission approval is not required. Specifically, applicants should use FCC Form 312 in the following cases: (1) when applying for a license for a new earth or space station(s); (2) when applying for registration of a domestic receive-only earth station(s); (3) when applying for a modification to a licensed earth or space station(s); (4) when seeking Commission consent to an assignment or transfer of control of a licensed earth or space station(s); (5) when notifying the Commission of a minor modification to a licensed earth or space station(s); (6) when notifying the Commission of an assignment or transfer of control of a registered domestic receive-only earth station(s); and (7) when filing an amendment to a pending earth or space station application(s). The purpose of this form is to collect data and other information relating to satellite space and earth stations to assist the FCC in determining whether the public interest would be served by a grant of the requested authorization.

**Applicable Rules and Regulations**

Before the application is prepared, the applicant should refer to Parts 1 and 25 of the Rules and Regulations of the Commission. (Title 47, Code of Federal Regulations (CFR), Parts 1 and 25). Copies of the FCC Rules may be purchased from the Superintendent of Documents, Mail Stop: SSOP, U.S. Government Printing Office, Washington, DC 20402-9328. Part 1 contains rules regarding fee requirements. *See also* the International and Satellite Services Fee Filing Guide for specific fee information. Part 25 may require information to be filed with an application in addition to that specified in the application form. Applicant should make every effort to file a complete application in compliance with the Rules. Failure to do so can result in rejection or return of the application or a delay in the processing of the application. Use additional sheets only where necessary. All additional sheets must contain the applicant's name and the number of questions to which it responds.

**Introduction**

FCC Form 312 is a multi-part form comprised of a Main Form and schedules. Each application must contain a completed Main Form in addition to any required schedules in order to receive consideration.

The purpose of the **mandatory** Main Form is to (1) obtain information sufficient to identify the applicant; (2) establish the applicant's basic eligibility and qualifications; (3) classify the filing; and (4) identify the nature of the proposed service or request. The Main Form also contains required certifications and signature block(s).

**Schedules**

There are two schedules - Schedule A and Schedule B - that are used in conjunction with the mandatory Main Form.

**SCHEDULE A** is to be completed when:

Applying for Consent to Assignment of License of both  
space and earth stations  
Applying for Consent to Transfer of Control of both  
space and earth stations  
Notifying the FCC of Assignment or Transfer of Control  
of Receive-Only earth station Registration

**SCHEDULE B** is to be completed when:

Applying for a License for a Transmit and/or Receive  
Earth Stations  
Applying for Registration of Domestic Receive-only  
Earth Stations  
Applying for Blanket License for New Earth Station  
System, including VSAT and Mobile Satellite  
Service Systems  
Amending a pending earth or space station Application  
Applying for a Modification of a granted earth station,  
VSAT, or space station license  
Applying for a Modification of a granted Receive-only  
earth station Registration  
Notifying FCC of a Minor Modification of a granted  
earth station or VSAT license

### **For Assistance**

For additional information about Form 312 contact the FCC Consumer Assistance Office at (202) 418-0220. Information is also available on the FCC's internet site at <http://www.fcc.gov>. Examples of completed Form 312 applications are available on the FCC's internet site. The International and Satellite Services Fee Filing Guide is available on the International Bureau's Home Page at the above internet address.

### **Incorporation by Reference**

Reference documents, exhibits, or other lengthy showings already on file with the FCC may be referred to in the application without further submission only if: (a) the information is current and accurate in all significant respects and (b) the reference states specifically where the previously filed information can be found (*i.e.*, station call sign and application file number, title of proceeding, docket number or legal citations), including exhibit and page references. If either of these criterion is not met, the reference documents must accompany the application.

## **GENERAL INSTRUCTIONS**

### **Current Information**

Information filed with the FCC must be kept current. The applicant should notify the FCC regarding any substantial and significant changes in the facts as they appear in the application. *See* 47 CFR 1.65.

### **Waiver Requests**

Requests for waivers must contain a statement of reasons sufficient to justify a waiver and must be included as "Exhibit D" to the Main Form. For each rule waiver desired, a separate request with the required showing identifying the specific rule or policy for which the waiver is requested, must be made.

### **Exhibits**

Each document required to be filed as an exhibit should be current as of the date of filing. Each exhibit must be identified by a letter. Each page of each exhibit must be identified by exhibit and page number using the following format: Exhibit A, Page 2 of 3. If material is to be incorporated by reference within the exhibit, see the instruction on incorporation by reference. If interference studies, frequency coordination reports, radiation hazard reports, environmental impact statements, etc., are required by rule, include them as exhibits. All exhibits must be consecutively designated using either letters or numbers. All exhibits must be listed on the exhibit chart, Main Form, page 4.

### **Filing of Applications**

An original and two copies of the completed application(s) for earth station(s) and an original and nine copies of the completed application(s) for space station(s), as set forth in Part 25, must be submitted along with the correct filing fee amount. The original application and the duplicate thereof must be clearly marked as such. **DO NOT SEND CASH.** Payment can generally be made by check, bank draft, credit card, money order, or by pre-arrangement. For detailed information regarding fees refer to the International and Satellite Services Fee Filing Guide.

### **Mailing of Applications**

Completed applications concerning earth stations should be mailed to:

Federal Communications Commission  
International Bureau-Earth Station  
P.O. Box 358160  
Pittsburgh, Pennsylvania 15251-5160

Completed applications concerning space stations should be mailed to:

Federal Communications Commission  
International Bureau-Space Station  
P.O. Box 358210  
Pittsburgh, Pennsylvania 15251-5210

When delivering feeable applications by hand or by courier, use the following address:

Federal Communications Commission  
c/o Mellon Bank  
Three Mellon Bank Center  
535 William Penn Way  
27th Floor, Room 153-2713  
Pittsburgh, Pennsylvania  
(Attn: Wholesale Lockbox Shift Supervisor).

Applications received before midnight on a normal business day will receive that day's date as the receipt date. Deliveries made after midnight on Fridays will not be "officially" receipted until the next Monday. Applications received on weekends and government holidays are dated the next regular business day. *See the FCC International and Satellite Services Fee Filing Guide for fee information*

### **Additional Information**

All information provided in this form will be available for public inspection. If information requested on the form is not provided, processing of the application may be delayed or the application may be returned without action pursuant to FCC rules.



### **Paperwork Reduction and Privacy Act Notice**

The solicitation of personal information requested in this form is authorized by the Communications Act of 1934, as amended, and the Telecommunications Act of 1996, Pub. L. 104-104 (February 8, 1996). The FCC will use the information provided in this form to determine whether grant of this application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on this form is not provided, processing of the application may be delayed or the application may be returned without action pursuant to the Commission rules. Your response is required to obtain the requested authority.

Public reporting burden for this collection is estimated to be 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Federal Communications Commission, AMD-Performance Evaluation and Records Management Branch, Washington, D.C. 20554, Paperwork Reduction Project 3060-0678. **[Do not send completed application forms to this address.]** Applicant is not required to respond to any collection of information that does not display a valid OMB Control Number.

The foregoing Notice is required by the Privacy Act of 1974, Pub.L. 93-597, December 31, 1974, 5 U.S.C. 552a(e)(3), and the Paperwork Reduction Act of 1995, Pub.L. 104-13, May 22, 1995, 44 U.S.C. 3506(c)(1)(B), 5 CFR 1320.5(b).

### **Miscellaneous Information Regarding Specific Types of Filings**

**Space Station Applications.** All space station applications should be filed using Form 312 Main Form. Applications for assignments and transfers of control of space station licenses should also include Schedule A. Only the Main Form is needed to submit ownership information. All additional required space station information such as business plans, technical descriptions, etc. should be provided in a narrative form attached to the Form 312 Main Form. See Part 25.140, et al., of the FCC's Rules and Regulations concerning the filing requirements for space station applications.

**Earth Station Amendments.** All amendments to pending earth station applications should include FCC Form 312 Main Form and Schedule B. Applicants may incorporate by reference those data items not being changed. (See instructions for incorporation by reference.)

**Earth Station Modifications.** All modifications to existing earth station authorizations should include FCC Form 312 Main Form and Schedule B. Applicants may incorporate by reference those data items not being changed. (See instructions for incorporation by reference.) If you presently hold domestic, international, and/or transborder authorizations for the same earth station (call sign) that were previously granted under different file numbers, be sure to include the composite data from all of these previous separate authorizations. Only one modified authorization will be issued that encompasses all of the previous earth station authorizations.

**VSAT Network Applications.** Applications for blanket licenses for VSAT networks may be filed in a single consolidated network application using Form 312. Separate radio station authorizations will be issued to each hub station and for each different size or type of remote unit in the network. The application for a new VSAT network should include a single Main Form and a Schedule B which includes the complete data for all parts of the VSAT network. Provide a separate Schedule B, Page 1 for each part of the network, including one sheet for each hub station and one sheet for each remote unit variant. Include all hub and remote antennas, frequency coordination limits, and particulars of operation on Schedule B, Pages 2-4. Be sure to identify the associated site-id and antenna-id for each row of data. Attach continuation sheets for Pages 2-4 as needed. Provide a separate Schedule B, Page 5 for each hub site and remote variant. Be sure to identify the site-id on each Page 5.

Modifications to a VSAT network authorization should include only the data relevant to the portion of the network that is being revised. For example, if the modification affects only the hub station, do not include data relevant to the remote units (see Earth Station Modifications section above).

## SPECIFIC INSTRUCTIONS FOR THE MAIN FORM

### APPLICANT INFORMATION

Items 1-16. These items identify the applicant. If an authorization is granted, the information provided will become the licensee's name, address and telephone numbers of record, and the authorization will be sent to this address. Applicants must provide a current and valid mailing address. Failure to respond to FCC correspondence sent to the address of record may result in dismissal of an application, liability for forfeiture or revocation of an authorization. These items also identify the contact representative (e.g., a person at the headquarter's office of the applicant, the law firm of the applicant, or the company that prepared or submitted the application on behalf of the applicant).

### CLASSIFICATION OF FILING

Item 17a indicates whether the filing relates to an earth or a space station application. Do not combine both earth and space station actions within a single application -- check only one box. For example, file two separate applications for an Assignment of License that covers both the space segment and earth segment of a satellite system.

Item 17b indicates the type of application that is being filed. Do not combine different types of actions into a single application -- check only one box. For example, to modify and assign the authorization for a single station, you must file two separate applications. Schedule A must be attached to the Main Form if you have checked box 17b5 or 17b6. Schedule B must be attached to the Main Form if you have checked box 17b1, 17b2, 17b3 (if earth station), 17b4, or 17b7.

Item 18 If this filing is in reference to an existing station, provide the station's call sign. If this filing is in reference to multiple stations provide the call sign of the lead station.

Item 19 Where a pending application is to be amended, enter the date that the original pending application was filed. Also provide the file number of that original pending application, if known.

### TYPE OF SERVICE

Item 20 This item seeks information about the nature of service requested.

Item 21 This item indicates whether or not the applicant will operate this station as a common carrier.

Item 22 All earth station applications must identify whether or not U.S. licensed satellites are used. Check both boxes if this earth station will operate with both U.S. and foreign licensed satellites. If the earth station will operate with a non-U.S. licensed satellite, be sure to complete Item B3 on Schedule B.

Item 23 Only those applicants providing INTERNATIONAL COMMON CARRIER service need to indicate whether or not this facility is connected to the Public Switched Network. Appropriate Section 214 filings are required. See 47 CFR Part 63 of the Commission Rules.

Item 24 The proposed frequency band(s) are specified in this item. All C-band (4/6 GHz) earth stations require successful prior radio frequency coordination for both Fixed and Temporary-Fixed (including Satellite News-Gathering) operations. See Items B6, B11, and B12 on Schedule B.

### TYPE OF STATION

Item 25 This item identifies the class of station to be placed in service. Mark only one box. Transportable Satellite News-Gathering (SNG) trucks fall under the category "Temporary-Fixed Earth Station."

Item 26 This item identifies whether the earth station transmits and/or receives.

### PURPOSE OF MODIFICATION OR AMENDMENT

**Note:** An application that revises the data on a previous application that has NOT YET BEEN GRANTED is an "Amendment", whereas an application that revises the data on a previously GRANTED application (license or registration) is a "Modification". Existing authorizations are "modified" while pending applications are "amended".

Item 27 Purpose of the proposed modification or amendment highlights the various types of modifications or amendments generally requested. Mark all that apply. Provide the revised earth station data on Schedule B (see Earth Station Modifications section above).

### ENVIRONMENTAL POLICY

Item 28 This item is required for compliance with the National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321-4335. See also Part 1, Subpart I of the FCC rules (47 CFR 1.1301-1.1319). Examples of facilities that may have a significant effect on the environment include:

- o an antenna structure located in a residential area (as defined by applicable zoning laws) which will utilize high intensity aviation obstruction lighting
- o a facility located in an officially designated wilderness area, wildlife preserve or floodplain
- o a facility that affects a site significant in American history
- o a facility, the construction of which involves extensive changes in surface features

A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, and major amendments as Exhibit B. For information on preparing this study, consult OET Bulletin 65.

## **ALIEN OWNERSHIP**

Items 29-34 These items request information that will enable the FCC to determine whether an applicant is eligible under Section 310 of the Communications Act of 1934, as amended, to hold a station license. Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30-34.

## **BASIC QUALIFICATIONS**

Items 35-42 These items request information that enables the FCC to determine whether an applicant is basically qualified to hold an FCC authorization. Item 40 applies only to applicants for Space Station authorizations.

Item 43 Provide a summary of the nature of the application and services to be provided.

## **CERTIFICATION**

Items 44-48 To be acceptable for filing, applications, amendments, modifications and registrations must be signed in accordance with Part 1 of the FCC rules. The signer must be a person authorized to sign the application. Paper originals of applications must bear an original signature. Neither rubber-stamped nor photocopied signatures are acceptable.

## **SPECIFIC INSTRUCTIONS FOR SCHEDULE A**

Consent to Assignment of License/Transfer of Control  
Notification of Assignment or Transfer of Control of  
Receive-Only Registration

## **PURPOSE OF FILING**

Schedule A and the Main Form must be completed when requesting Consent to Assignment of License or Transfer of Control. Schedule A and the Main Form must be used when notifying the FCC of a completed Assignment of Receive-Only Registration or of a completed Transfer of Control of Receive-Only Registration. The Main Form and Schedule A collects information about the parties to the transaction in order to determine whether the requested consent, governed by 47 CFR Part 25, serves the public interest. The Main Form is to be completed by the prospective licensee or registrant in the case of an assignment (assignee) or the new controlling entity in the case of a transfer of control (transferee). Schedule A is to be completed by all involved parties.

Items A1-A9 and A22-A25 must be completed by the current licensee or registrant.

Items A10-A14 and A26-A29 must be completed by the entity assigning or transferring the license or registration (assignor/transferrer) if different from the licensee or registrant.

Items A15-A21 and A30-A33 must be completed by the assignee/transferee.

## **SPECIFIC INSTRUCTIONS FOR SCHEDULE B** Technical and Operational Description of Earth Station(s)

## **PURPOSE OF FILING**

Schedule B is used for all earth station filings that do not involve Assignments or Transfers of Control. Schedule B and the Main Form must be completed when filing for both licenses and registrations for all new earth stations, all amendments to pending earth station applications, and all modifications to existing earth station authorizations. This includes VSAT networks. Schedule B collects technical and operational information relevant to the earth station.

## **LOCATION OF EARTH STATION SITE**

Item B1a-B11 identifies the location of the fixed earth station both by address and geographic coordinates; and the area of operation for temporary-fixed, mobile, and VSAT remote earth stations. For fixed earth stations, indicate whether the geographic coordinates are based on the North American Datum (NAD) of 1927 or 1983. Until further notice, you must provide the geographic coordinates based upon NAD-27. See FCC Public Notice, DA 92-1188 (released September 1, 1992).

Item B1b should be completed only when the application involves a VSAT network. The site identifier is used to identify the various parts of the VSAT network. The applicant should assign a unique identifier to each hub station and each remote variant that is part of a VSAT network (e.g., "HUB", "REMOTE1", "REMOTE2", etc.). Each hub station and each remote variant of a VSAT network must have its own completed Page 1 of Schedule B. The Points of Communications (Item B2) and Destination Points (Item B3) must be completed individually for each hub station and each remote variant.

## **POINTS OF COMMUNICATIONS**

Item B2 This is the list of satellites with which the earth station will communicate. If the earth station will communicate only with U.S. licensed satellites, then "ALSAT" is the notation needed under item B2. If, however, the earth station will operate with satellites licensed by countries other than the U.S.A., each and every non-U.S. licensed satellite must be individually listed here. If the earth station will operate with both U.S. licensed satellites and non-U.S. licensed satellites, include the notation "ALSAT" to cover the U.S. licensed satellites and then list each non-U.S. licensed satellite individually.

Item B6, Frequency Coordination Limits, must also be completed to indicate the satellite orbital arc range and frequency band limits over which the satellites will operate. This applies to both U.S. licensed and non-U.S. licensed satellite systems. Any authorization issued for the earth station will be valid only in the orbital arc range and frequency band range specified in Item B6.

## **DESTINATION POINTS**

**Item B3** This is a list of all countries that the earth station will provide service to using non-U.S. licensed satellites. The countries for each non-U.S. licensed satellite must be listed separately. The ITU 3-letter country codes as specified in Table B1 to the Preface of the ITU's International Frequency List may be used to identify the countries to which service will be provided.

## **EARTH STATION ANTENNA FACILITIES**

**Item B4a** Site IDs should be provided only for applications relating to VSAT networks. Use the Site Identifier (Item B1b) to identify the portion of the VSAT network that each antenna belongs to.

**Item B4b** Applicants should assign a unique identifying number or name to each antenna. This ID should be used throughout Schedule B when referring to the frequencies, emissions, heights, satellite arcs, etc., that are associated with each antenna that comprises the earth station.

**Item B4c** Identify the number of units of each make and model of antenna installed at this earth station. For VSAT networks, identify the total number of units for each remote segment.

**Item B4d-B4e** Provide the manufacturer and model number of the antenna.

**Item B4f** Provide the diameter of the antenna for circular aperture antennas. For elliptical aperture antennas, provide the major and minor axes diameters of the antenna and its equivalent circular electrical diameter. All units must be provided in meters.

**Item B4g** Provide the antenna gain and reference frequency for both the transmit and receive frequency bands. The antenna gain should be characteristic of the center frequency of the frequency band in which it operates.

## **ANTENNA HEIGHTS AND MAXIMUM POWER LIMITS**

**Item B5a** See item B4b above.

**Item B5b** For earth station antennas that will be mounted on towers or are otherwise subject to the required FCC prior tower registration, provide the Tower ID number as listed in the FCC's Tower Database. See 47 CFR Part 17 for information concerning prior registration of towers.

**Item B5c-B5d** Enter the maximum overall height to the top of the antenna structure with respect to ground level and mean sea level. All units must be in meters. See Part 17 of the FCC Rules.

**Item B5e-B5f** If the antenna is located on a building or other structure, provide the height of the building above ground level, and the maximum height of the antenna above the top of the structure on which the antenna is located. Also attach a sketch of the site and other information required by 47 CFR Part 17.

**Item B5g-B5h** If the antenna transmits, provide the total input power (in Watts) at the antenna flange and the aggregate output EIRP (in dBW) for all r.f. carriers. These powers must be consistent with those provided in the Radiation Hazard Study in Exhibit B.

## **FREQUENCY COORDINATION LIMITS**

**Item B6a** See item B4b above.

**Item B6b** Provide the lower and upper frequency band limits over which the earth station has been frequency coordinated, or over which the earth station will operate.

**Item B6c-B6d** Provide the eastern most and western most geostationary satellite arc limits over which the earth station has been frequency coordinated, or over which the earth station will operate. For non-geostationary satellites, provide the notation "NON-GEO".

**Item B6e-B6f** Provide the elevation angle to the eastern most and western most geostationary satellite orbital arc limits. For non-geostationary satellites, provide the minimum elevation angle at which the earth station will operate.

**Item B6g-B6h** Provide the azimuth angle relative to true north to the eastern most and western most geostationary satellite orbital arc limits. For non-geostationary satellites, provide the maximum azimuthal angles at which the earth station will operate (e.g., 0-360 degrees).

**Item B6i** If the earth station transmits in this frequency band, provide the maximum EIRP density toward the horizon (in dBW/4kHz).

## **PARTICULARS OF OPERATION**

**Item B7a** See item B4b above.

**Item B7b** Enter the lower and upper frequency limits of the frequency band to which this emission is limited. Alternatively, provide the single center or carrier frequency of the emission.

**Item B7c** Indicate with a "T" or "R" whether the earth station transmits or receives this emission in this frequency band.

**Item B7d** Indicate the antenna polarization used with this emission.

**Item B7e** Enter the emission designator for the emission. (For proper emission designator format, see Section 2.201 of the FCC Rules.)

Item B7f For transmit mode, provide the maximum EIRP, in dBW, for each r.f. carrier of the emission.

Item B7g For transmit mode, provide the maximum EIRP Density, in dBW/4kHz, for each r.f. carrier of the emission.

Item B7h Give a brief description of both the modulation and services provided by this emission. Examples of modulation include QPSK, BPSK, SCPC, etc. Examples of services include "video", "data", "voice", etc.

**Items B8-B13 Generally**

If the application is for a VSAT network, attach an individual Schedule B, Page 5 for each hub station and each different size or type of remote unit. Items B8-B13 require response with respect to each portion of the VSAT network. Identify the VSAT site by using the Site Identifier from Item B1b. For all other earth station applications not involving VSAT networks, respond to Items B8-B13 with respect to the earth station as a whole (*i.e.*, with respect to all antennas that comprise the earth station).

Item B8-B9 These questions indicate compliance with the antenna sidelobe standard specified in 25.209 of the FCC Rules. FSS operations using satellites located in the geostationary satellite orbit must comply with the more stringent standard (item B8), or provide a technical analysis showing that this operation is compatible with two-degree spacing policy. Earth stations operating with non-geostationary satellites (MSS, etc.) or non-FSS operations should indicate compliance with the less stringent antenna standard (item B9).

Item B10 If the earth station is operated from a remote location, give the location and telephone number of the control point.

Item B11-B12 If the earth station operates in frequency bands that are shared with other radio services, such as the C band (4/6 GHz), frequency coordination is required. In such cases, a Frequency Coordination Report and/or Coordination Contour map is required. Also see item B6, Frequency Coordination Limits. There are several private companies that will provide frequency coordination services for hire.

Item B13 The purpose of this item is to insure adherence to all regulations concerning the safety of air travel. See 47 CFR Part 17 for requirements concerning the notification and coordination of antenna structures with the FAA. Also see 47 CFR Part 25.113(e) concerning earth station filing requirements.

**FCC 312**  
**Main Form**

**FEDERAL COMMUNICATIONS COMMISSION**

**APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS**

Approved by OMB  
0000-0000

Est. Avg Burden Hours  
Per Response: 11 Hrs.

**FCC Use Only**

File Number:

Call Sign:

Fee Number:

**APPLICANT INFORMATION**

1. Legal Name of Applicant		2. Voice Telephone Number	
3. Other Name Used for Doing Business (if any)		4. Fax Telephone Number	
5. Mailing Street Address or P.O. Box		6. City	
ATTENTION:		7. State / Country (if not U.S.A.)	8. Zip Code
9. Name of Contact Representative (If other than applicant)		10. Voice Telephone Number	
11. Firm or Company Name		12. Fax Telephone Number	
13. Mailing Street Address or P.O. Box		14. City	
ATTENTION:		15. State / Country (if not U.S.A.)	16. Zip Code

**CLASSIFICATION OF FILING**

17. Place an "X" in the box next to the classification that applies to this filing for both questions a. and b. Mark only one box for 17a and only one box for 17b.			
<input type="checkbox"/> a1. Earth Station	<input type="checkbox"/> b1. Application for License of New Station	<input type="checkbox"/> b6. Transfer of Control of License or Registration	
<input type="checkbox"/> a2. Space Station	<input type="checkbox"/> b2. Application for Registration of New Domestic Receive-Only Station	<input type="checkbox"/> b7. Notification of Minor Modification	
	<input type="checkbox"/> b3. Amendment to a Pending Application	<input type="checkbox"/> b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite	
	<input type="checkbox"/> b4. Modification of License or Registration	<input type="checkbox"/> b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States	
	<input type="checkbox"/> b5. Assignment of License or Registration	<input type="checkbox"/> b10. Other (Please Specify):	
18. If this filing is in reference to an existing station, enter: Call sign of station:		19. If this filing is an amendment to a pending application enter: (a) Date pending application was filed: (b) File number of pending application:	

## TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s). Place an "X" in the box(es) next to all that apply.

- ☐ a. Fixed Satellite    ☐ c. Radiodetermination Satellite    ☐ e. Direct to Home Fixed Satellite  
☐ b. Mobile Satellite    ☐ d. Earth Exploration Satellite    ☐ f. Digital Audio Radio Service    ☐ g. Other (please specify) \_\_\_\_\_

21. STATUS: Place an "X" in the box next to the applicable status. Mark only one box.

- ☐ a. Common Carrier    ☐ b. Non-Common Carrier

22. If earth station applicant, place an "X" in the box(es) next to all that apply.

- ☐ a. Using U.S. licensed satellites    ☐ b. Using Non-U.S. licensed satellites

23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Mark only one box. Are these facilities:

- ☐ a. Connected to the Public Switched Network    ☐ b. Not connected to the Public Switched Network

24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s).

- ☐ a. C-Band (4/6 GHz)    ☐ b. Ku-Band (12/14 GHz)    ☐ c. Other (Please specify) \_\_\_\_\_

## TYPE OF STATION

25. CLASS OF STATION: Place an "X" in the box next to the class of station that applies. Mark only one box.

- ☐ a. Fixed Earth Station    ☐ b. Temporary-Fixed Earth Station    ☐ c. 12/14 GHz VSAT Network    ☒ d. Mobile Earth Station    ☐ e. Space Station    ☐ f. Other (Specify) \_\_\_\_\_

If space station applicant, go to Question 27.

26. TYPE OF EARTH STATION FACILITY: Mark only one box.

- ☐ a. Transmit/Receive    ☐ b. Transmit-Only    ☐ c. Receive-Only

## PURPOSE OF MODIFICATION OR AMENDMENT

27. The purpose of this proposed modification or amendment is to: Place an "X" in the box(es) next to all that apply.

- ☐ a -- authorization to add new emission designator and related service  
☐ b -- authorization to change emission designator and related service  
☒ c -- authorization to increase EIRP and EIRP density  
☐ d -- authorization to replace antenna  
☐ e -- authorization to add antenna  
☐ f -- authorization to relocate fixed station  
☐ g -- authorization to change assigned frequency(ies)  
☐ h -- authorization to add Points of Communication (satellites & countries)  
☐ i -- authorization to change Points of Communication (satellites & countries)  
☐ j -- authorization for facilities for which environmental assessment and radiation hazard reporting is required  
☐ k -- Other (Please Specify) \_\_\_\_\_

## ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307?

If "YES", submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 CFR §§ 1.1308 and 1.1311, as an exhibit to this application.

☐ YES

☐ NO

A Radiation Hazard Study must accompany all applications as an exhibit for new transmitting facilities, major modifications, or major amendments. Refer to OET Bulletin 65.

### ALIEN OWNERSHIP

29. Is the applicant a foreign government or the representative of any foreign government?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
30. Is the applicant an alien or the representative of an alien?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
31. Is the applicant a corporation organized under the laws of any foreign government?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit, the identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.		

### BASIC QUALIFICATIONS

35. Does the applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
36. Has the applicant or any party to this application had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
37. Has the applicant, or any party to this application, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceeding two items? If Yes, attach as an exhibit, an explanation of the circumstances.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, addresses, and citizenship of those stockholders owning of record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.		
41. By checking Yes, the undersigned certifies, that neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If yes, answer 41b and attach an exhibit providing the information specified in 47 C.F.R. § 25.137, as appropriate. If no, proceed to question 43.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station? _____		



43. Description. (Summarize the nature of the application and the services to be provided).

[illegible]

## CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Place an "X" in the box next to applicable response.)

☐ a. Individual    ☐ b. Unincorporated Association    ☐ c. Partnership    ☐ d. Corporation    ☐ e. Governmental Entity    ☐ f. Other  
(Please specify) \_\_\_\_\_

45. Typed Name of Person Signing

46. Title of Person Signing

47. Signature.

48. Date	
----------	--

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).**

<b>FEDERAL COMMUNICATIONS COMMISSION</b> <b>FCC 312 - Schedule A</b> (Place an "X" in one of the blocks below)				FCC Use Only	
<input type="checkbox"/> <b>CONSENT TO TRANSFER OF CONTROL</b>				<input type="checkbox"/> <b>CONSENT TO ASSIGNMENT OF LICENSE</b>	
<input type="checkbox"/> <b>NOTIFICATION OF TRANSFER OF CONTROL OF RECEIVE ONLY REGISTRATION</b>				<input type="checkbox"/> <b>NOTIFICATION OF ASSIGNMENT OF RECEIVE ONLY REGISTRATION</b>	
A1. Name of Licensee or Registrant				A2. Voice Telephone Number	
A3. Mailing Street Address or P.O. Box				A4. Fax Telephone Number	
ATTENTION:					
A5. City			A6. State / Country (if not U.S.A.)		A7. Zip Code
A8. List Call Sign(s) of station(s) being assigned or transferred					A9. No. of station(s) listed
A10. Name of Transferor/Assignor (if different than licensee or registrant)			A15. Name of Transferee/Assignee		
A11. Mailing Street Address or P.O. Box			A16. Mailing Street Address or P.O. Box		
A12. City	A13. State/Country	A14. Zip Code	A17. City	A18. State/Country	A19. Zip Code
A20. If these facilities are licensed, is the transferee/assignee directly or indirectly controlled by any other entity? If Yes, attach as an exhibit, a statement (including organizational diagrams where appropriate) which fully and completely identifies the nature and extent of control including: (1) the name, address, citizenship, and primary business of the controlling entity and any intermediate subsidiaries or parties; and (2) the names, addresses, citizenship, and the percentages of voting and equity stock of those stockholders holding 10 percent or more of the controlling corporation's voting stock.					
<input type="checkbox"/> YES <input type="checkbox"/> NO					
A21. If these facilities are licensed, attach as an exhibit, a complete statement setting forth the facts which show how the assignment or transfer will serve the public interest.					

### CERTIFICATION

1. The undersigned, individually and for licensee, certifies that all attached exhibits pertinent to Schedule A and all statements made in Schedule A of this application are true, complete and correct to the best of his/her knowledge and belief. The undersigned also certifies that any contracts or other instruments submitted herewith are complete and constitute the full agreement.			
2. The undersigned represents that stock will not be delivered and that control will not be transferred until the Commission's consent has been received, but that transfer of control or assignment of license will be completed within 60 days of Commission consent. The undersigned also acknowledges that the Commission must be notified by letter within 30 days of consummation.			
A22. Printed Name of Licensee (Must agree with A1)	A23. Signature	A24. Title (Office Held by Person Signing)	A25. Date
A26. Printed Name of License Transferor/Assignor (If different than Licensee, Must agree with A10)	A27. Signature	A28. Title (Office Held by Person Signing)	A29. Date
A30. Printed Name of License Transferee/Assignee (Must agree with A15)	A31. Signature	A32. Title (Office Held by Person Signing)	A33. Date

**B1. Location of Earth Station Site.** If temporary-fixed, mobile, or VSAT remote facility, specify area of operation and point of contact. If VSAT hub station, give its location. For VSAT networks attach individual Schedule B, Page 1 sheets for each hub station and each remote station. Individually provide the Location, Points of Communications, and Destination Points for each hub and remote station.

**B2. Points of Communications:** List the names and orbit locations of all satellites with which this earth station will communicate. The entry "ALSAT" is sufficient to identify the names and locations of all satellite facilities licensed by the U.S. All non-U.S. licensed satellites must be listed individually.

**B3. Destination points for communications using non-U.S. licensed satellites.** For each non-U.S. licensed satellite facility identified in section B2 above, specify the destination point(s) (country) where the services will be provided by this earth station via each non-U.S. licensed satellite system. Use additional sheets as needed.

FCC 312, Schedule B - Page 1  
XXXXXXXXXX, 1997

## Page 2: Antennas

[illegible][illegible]

\*\*\* Attach sketch of site or exemption, See 47 CFR Part 17

### Page 3: Coordination

(a) Antenna ID*	(b) Frequency Limits (MHz)	(c) Range of Satellite Arc Eastern Limit**	(d) Range of Satellite Arc Western Limit**	(e) Antenna Elevation Angle Eastern Limit	(f) Antenna Elevation Angle Western Limit	(g) Earth Station Azimuth Angle Eastern Limit	(h) Earth Station Azimuth Angle Western Limit	(i) Maximum EIRP Density toward the Horizon (dB W/kHz)
Approval Pending								

\*\* If operating with geostationary satellites, give the orbital arc limits and the associated elevation and azimuth angles. If operating with non-geostationary satellites, give the notation "NON-GEO" for the satellite arc and give the minimum operational elevation angle and the maximum azimuth angle range.

## Page 4: Particulars

[illegible]

FCC 312, Schedule B - Page 4  
XXXXXXXX, 1997

**FEDERAL COMMUNICATIONS COMMISSION  
SATELLITE EARTH STATION AUTHORIZATIONS  
FCC Form 312 - Schedule B: (Technical and Operational Description)**

Page 5: Questions

If VSAT Network, provide the SITE-ID (Item B1b) of the station that B8-B13 are in response to (HUB, REMOTE1, etc.): \_\_\_\_\_

B8. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with <b>geostationary</b> satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurements? If NO, provide as an exhibit, a technical analysis showing compliance with two-degree spacing policy.				<input type="checkbox"/> YES	<input type="checkbox"/> NO
B9. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with <b>non-geostationary</b> satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?				<input type="checkbox"/> YES	<input type="checkbox"/> NO
B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.				<input type="checkbox"/> YES	<input type="checkbox"/> NO
<b>Remote Control Point Location:</b>					
B10a. Street Address					
B10b. City		B10c. County		B10d. State / Country	
B10e. Zip Code				B10f. Telephone Number	
B10g. Call Sign of Control Station (if appropriate)					
B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.				<input type="checkbox"/> YES	<input type="checkbox"/> NO
B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.				<input type="checkbox"/> YES	<input type="checkbox"/> NO
B13. FAA Notification - (See 47 CFR Part 17 and 47 CFR Part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation?				<input type="checkbox"/> YES	<input type="checkbox"/> NO
<b>FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.</b>					

**STATEMENT OF FCC CHAIRMAN WILLIAM E. KENNARD**  
**November 25, 1997**

Re: Rules and Policies on Foreign Participation in the U.S. Telecommunications Market, IB  
Docket No. 97-142

Re: Amendment of the Commission's Regulatory Policies to Allow Non-U.S. Licensed Space  
Stations to Provide Domestic and International Satellite Service in the United States, IB  
Docket No. 96-111

Amendment of Section 25.131 of the Commission's Rules and Regulations to Eliminate  
the Licensing Requirement for Certain International Receive-Only Earth Stations, CC  
Docket No. 93-23

COMMUNICATIONS SATELLITE CORPORATION Request for Waiver of Section  
25.131(j)(1) of the Commission's Rules as it Applies to Services Provided via the  
INTELSAT K Satellite, File NO. ISP-92-007

These items illustrate what I have stressed since my first day as Chairman as the principles that should guide the work of this agency, the three Cs: competition, community and common sense. They promote competition by opening up our telecommunications and satellite markets to foreign participation, ensuring that U.S. consumers will be confronted with an expanding array of choices and lower prices. They promote community by establishing a framework that should make it easier and cheaper for people around the world to communicate and exchange ideas. The items takes a common sense approach to opening our markets. They replace a process that has, to this point, been extremely burdensome administratively -- the process of authorizing foreign participation in our markets -- with a streamlined process that nonetheless gives us the ability to protect against the potential for anti-competitive harm where necessary.

Over the past two years, the United States has led a revolution in the telecommunications sector. On the domestic front, the Telecommunications Act of 1996 delivered a clear and compelling blueprint for competition in telecommunications services. Internationally, the Commission acted decisively to reform the antiquated system for delivering international services. At the same time, the United States challenged the nations of the world to build a global communications network that brings the world together through communications and creates global opportunities.



In February of this year, the United States reached a historic agreement with 68 other countries to open markets for basic telecommunications services around the world.

Today, the Commission considers rules governing foreign entry into the U.S. telecommunications and satellite markets in response to the landmark agreement on telecommunications negotiated under the auspices of the World Trade Organization (WTO). In that agreement, countries representing 90 percent of the \$600 billion global market for basic telecommunications services have pledged to open their markets to international competition. Equally as important, almost all the participants bound themselves to observe a set of pro-competitive regulatory principles that closely follow the Congressional vision of free competition, fair rules, and effective enforcement enacted in the Telecommunications Act. In light of the market opening and regulatory commitments contained in the WTO Basic Telecom Agreement, we expect to see a widespread shift away from the monopoly provision of telecommunications and satellite services and toward competition, open markets and transparent regulation.

The rules we consider today will open the U.S. telecommunications and satellite markets to foreign investment and entry by foreign carriers. Such entry will introduce new sources of competition in the telecom and satellite markets in the United States and attract much needed investment capital. Increased competition will benefit American consumers by producing lower prices, greater service choice and innovation. Our market-opening actions will also assist the U.S. telecommunications and satellite industries in their efforts to expand beyond our borders. As the world's leaders in telecommunications, our providers and manufacturers are well-equipped to take advantage of the foreign market opportunities that will follow on the heels of the actions we take today. For example, the U.S. satellite industry holds 34 percent of the world satellite market. Finally, the rules we approve today make sense by establishing clear and understandable standards for entry, with streamlined procedures for most applicants and safeguards to prevent foreign carriers with market power from distorting competition in the U.S. market.

Our actions today once again put the United States in a leadership role of prompt and efficient implementation of U.S. commitments in the WTO Basic Telecom Agreement. We will be watching closely implementation by other countries. We expect that U.S. carriers will begin to